

Examiner-Initiated Interview Summary

Application No.

10/527,823

Applicant(s)

SUGIMURA ET AL.

Examiner

Chun Crowder

Art Unit

1644

All Participants:

(1) Chun Crowder.

(2) Allen Yun.

Status of Application: _____

(3) _____.

(4) _____.

Date of Interview: 9 October 2007

Time: _____

Type of Interview:

- ☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☐ No

If Yes, provide a brief description:

Part I.

Rejection(s) discussed:

Claims discussed:

pending proposed

Prior art documents discussed:

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:

Participants agreed on the attached Listing of Claims to put the case in condition for allowance.

Part III.

- ☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
- ☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.


(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)

Listing of Claims

Claims 1-17 (Cancelled).

18. (Currently amended) An isolated DNA molecule coding for a single chain Fv (scFv) of a human anti-human MCP-1 antibody that binds to human MCP-1 ~~and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1~~, said DNA molecule ~~consisting of comprising~~ a DNA coding for a VH chain of said human anti-human MCP-1 antibody combined with a DNA coding for a VL chain of said human anti-human MCP-1 antibody, wherein complementarity determining regions (CDR1 to CDR3) of said VH chain have the following amino acid sequences:

CDR1: Ser Tyr Ala Ile Ser (SEQ ID NO: 3) 1

CDR2: Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln
Lys Phe Gln Gly (SEQ ID NO: 4) and

CDR3: Asp Leu Gly Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val
(SEQ ID NO: 5)

and complementarity determining regions (CDR1 to CDR3) of said VL chain have the following amino acid sequences:

CDR1: Arg Ser Ser Gln Ser Ile Asn Thr Tyr Leu His (SEQ ID NO: 8) 1

CDR2: Ala Ala Ser Thr Leu Gln Ser (SEQ ID NO: 9) and

CDR3: Gln Gln Ser Phe Thr Thr Pro Leu Thr (SEQ ID NO: 10).

19. (Currently amended) An isolated DNA molecule coding for a single chain Fv (scFv) of a human anti-human MCP-1

~~antibody that binds to human MCP-1 and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1,~~ said DNA molecule ~~consisting of~~ comprising a DNA coding for a VH chain of said human anti-human MCP-1 antibody combined with a DNA coding for a VL chain of said human anti-human MCP-1 antibody, wherein said VH chain has ~~an~~ the amino acid sequence depicted in SEQ ID NO: 2 and said VL chain has the amino acid sequence depicted in SEQ ID NO: 7.

20. (Currently amended) The isolated DNA molecule of claim 19, wherein said VH chain ~~has~~ consists of the amino acid sequence depicted in SEQ ID NO: 2 and said VL chain ~~has~~ consists of the amino acid sequence depicted in SEQ ID NO: 7.

21. (Currently amended) An isolated DNA molecule coding for a human anti-human MCP-1 antibody that binds to human MCP-1 ~~and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1,~~ said DNA molecule ~~consisting of~~ comprising a DNA coding for a VH chain of said human anti-human MCP-1 antibody combined with a DNA coding for a human antibody VH CH chain gene and a DNA coding for a VL chain of said human anti-human MCP-1 antibody combined with a DNA coding for a human antibody VL CL chain gene, wherein complementarity determining regions (CDR1 to CDR3) of said VH chain have the following amino acid sequences:

CDR1: Ser Tyr Ala Ile Ser (SEQ ID NO: 3) and

CDR2: Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln

Lys Phe Gln Gly (SEQ ID NO: 4) and

CDR3: Asp Leu Gly Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val

(SEQ ID NO: 5)

and complementarity determining regions (CDR1 to CDR3) of said VL chain have the following amino acid sequences:

CDR1: Arg Ser Ser Gln Ser Ile Asn Thr Tyr Leu His (SEQ ID NO: 8) and

CDR2: Ala Ala Ser Thr Leu Gln Ser (SEQ ID NO: 9) and

CDR3: Gln Gln Ser Phe Thr Thr Pro Leu Thr (SEQ ID NO: 10).

22. (Currently amended) An isolated DNA molecule coding for a human anti-human MCP-1 antibody that binds to human MCP-1 ~~and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1,~~ said DNA molecule consisting of a DNA coding for a VH chain of said human anti-human MCP-1 antibody combined with a DNA coding for a human antibody VH CH chain gene and a DNA coding for a VL chain of said human anti-human MCP-1 antibody combined with a DNA coding for a human antibody VL CL chain gene, wherein said VH chain has ~~an~~ the amino acid sequence depicted in SEQ ID NO: 2 and said VL chain has the amino acid sequence depicted in SEQ ID NO: 7.

Claim 23 (Cancelled).

[REDACTED]

24. (Currently amended) An isolated DNA molecule coding for a human anti-human MCP-1 antibody fragment that binds to human MCP-1 ~~and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1~~, said DNA molecule consisting of ~~the~~ a DNA coding for the VH chain of said human anti-human MCP-1 antibody combined with a DNA coding for a portion of a human antibody VH CH chain gene and a DNA coding for a VL chain of said human anti-human MCP-1 antibody combined with a DNA coding for a portion of a human antibody VL CL chain gene, wherein complementarity determining regions (CDR1 to CDR3) of said VH chain have the following amino acid sequences:

CDR1: Ser Tyr Ala Ile Ser (SEQ ID NO: 3),
CDR2: Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln
Lys Phe Gln Gly (SEQ ID NO: 4) and
CDR3: Asp Leu Gly Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val
(SEQ ID NO: 5)

and complementarity determining regions (CDR1 to CDR3) of said VL chain have the following amino acid sequences:

CDR1: Arg Ser Ser Gln Ser Ile Asn Thr Tyr Leu His (SEQ ID NO: 8),
CDR2: Ala Ala Ser Thr Leu Gln Ser (SEQ ID NO: 9) and
CDR3: Gln Gln Ser Phe Thr Thr Pro Leu Thr (SEQ ID NO: 10).

25. (Currently amended) An isolated DNA molecule coding for a human anti-human MCP-1 antibody fragment that binds

[REDACTED]

~~to human MCP-1 and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1,~~ said DNA molecule consisting of the a DNA coding for the VH chain of said human anti-human MCP-1 antibody combined with a DNA coding for a portion of a human antibody VH CH chain gene and a DNA coding for a VL chain of said human anti-human MCP-1 antibody combined with a DNA coding for a portion of a human antibody VL CL chain gene, wherein said VH chain has ~~an~~ the amino acid sequence depicted in SEQ ID NO: 2 and said VL chain has the amino acid sequence depicted in SEQ ID NO: 7.

Claim 26 (Cancelled).

27. (Currently amended) An isolated DNA molecule coding for a human anti-human MCP-1 antibody fragment that binds to human MCP-1 ~~and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1,~~ said DNA molecule consisting of the scFv coding DNA molecule of claim 18 combined with either a DNA coding for a portion of a human antibody VH CH chain gene or with a DNA coding for a portion of a human antibody VL CL chain gene, wherein complementarity determining regions (CDR1 to CDR3) of said VH chain have the following amino acid sequences:

CDR1: Ser Tyr Ala Ile Ser (SEQ ID NO: 3),

CDR2: Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln

[REDACTED]

Lys Phe Gln Gly (SEQ ID NO: 4) and

CDR3: Asp Leu Gly Gly Gly Asp Tyr Tyr Tyr Gly Met Asp Val
(SEQ ID NO: 5)

and complementarity determining regions (CDR1 to CDR3) of said VL chain have the following amino acid sequences:

CDR1: Arg Ser Ser Gln Ser Ile Asn Thr Tyr Leu His (SEQ ID NO: 8) and

CDR2: Ala Ala Ser Thr Leu Gln Ser (SEQ ID NO: 9) and

CDR3: Gln Gln Ser Phe Thr Thr Pro Leu Thr (SEQ ID NO: 10).

28. (Currently amended) The isolated DNA molecule coding for a human anti-human MCP-1 antibody fragment that binds to human MCP-1 ~~and inhibits the activity of inhibiting the invasion of inflammatory cells and/or the cell migration mediated by MCP-1~~, said DNA molecule consisting of the scFv coding DNA molecule of claim 18 combined with either a DNA coding for a portion of a human antibody VH CH chain ~~gene~~ or with a DNA coding for a portion of a human antibody VL CL chain gene, wherein said VH chain has an amino acid sequence depicted in SEQ ID NO: 2 and said VL chain has the amino acid sequence depicted in SEQ ID NO: 7.

Claims 29-53 (Cancelled).

54(New). The isolated DNA molecule of claim 18 which consists of said DNA coding for a VH chain of said human anti-human MCP-1 antibody combined with said DNA coding for a VL chain of said human anti-human MCP-1 antibody.

[REDACTED]